



Skill Requirement in Textile Sector

This document contains the total estimated manpower requirement and percentage of manpower required for the job roles in textile sector.

The incremental Manpower Gap between 2008 and 2022 has been calculated by NSDC in their Skill Gap Report for Textiles-Clothing Sector (2022) and employee strength data was collected during industry validation process facilitated from 20 workshops, 25 emails and 135 visits /one-on-one discussion conducted and interaction with 1000 representatives from different organizations all over the country. 53 Large scale industries, 64 Medium Size industries and 61 small industries were involved in this process.

Projected human resource requirement in the Textile sector (in millions)					
	2008	2012	2018	2022	Incremental
Spinning	1.2	1.5	2	2.4	1.3
Fabric Manufacturing (Weaving 90% & Knitting 10 %)	5.1	6.5	9	11	5.8
Fabric Processing	0.3	0.4	0.5	0.6	0.3
Total	6.6	8.4	11.5	14	7.4
* Source of this data is Skill Gap Report for Textiles-Clothing Sector (2022) by NSDC					

1. The Incremental Manpower Gap between 2008 and 2022 in Spinning

SPINNING		QP Code	NSQF Level	Workforce Percentage	The Incremental Manpower Gap between 2008 and 2022
1	Ring Frame Tenter	TSC/Q 0201	4	15.25%	198250
2	Open-End Spinning Tenter	TSC/Q 0203	4	0.31%	4030
3	Autoconer Tenter	TSC/Q 0301	4	14.17%	184167
4	Ring Frame Doffer	TSC/Q 0202	3	12.50%	162500
5	Cone Winding Operator - Manual & Assembly Winding	TSC/Q 0302	4	4.17%	54167
6	Fitter – Spinning Preparatory	TSC/Q 0401	5	2.59%	33704
7	Fitter - Ring Spinning	TSC/Q 0402	5	2.59%	33704
8	Fitter - Post Spinning	TSC/Q 0403	5	2.59%	33704
9	TFO Tenter	TSC/Q 0303	4	8.33%	108333
10	Speed Frame Operator – Tenter & Doffer	TSC/Q 0106	4	6.67%	86667
11	Combing Preparatory operator	TSC/Q 0103	4	2.50%	32500
12	Combing operator	TSC/Q 0104	4	2.50%	32500
13	Blowroom Operator	TSC/Q 0101	4	1.67%	21667
14	Carding Operator	TSC/Q 0102	4	1.67%	21667
15	Drawframe Operator	TSC/Q 0105	4	1.67%	21667
16	Packing Checker	TSC/Q 0501	4	1.67%	21667
<ul style="list-style-type: none"> The Incremental Manpower Gap between 2008 and 2022 for Spinning Sector: 1300000 					

2. The Incremental Manpower Gap between 2008 and 2022 in Weaving

WEAVING		QP Code	NSQF Level	Workforce Percentage	The incremental Manpower Gap between 2008 and 2022
17	Automatic shuttle loom operator	TSC/Q 2201	4	5.47%	285766
18	Shuttleless Loom Weaver - Projectile	TSC/Q 2202	4	5.47%	285766
19	Beam Carrier - Loader	TSC/Q 2601	3	5.47%	285766
20	Fitter - Autoloom Weaving Machine	TSC/Q 2402	5	5.47%	285766
21	Fitter - Shuttleless Weaving Machine: Rapier	TSC/Q 2403	5	8.76%	457226
22	Fitter - Shuttleless Weaving Machine: Projectile	TSC/Q 2404	5	1.82%	95255
23	Fitter - Shuttleless Weaving Machine: Air-Jet	TSC/Q 2405	5	1.82%	95255
24	Warper - Direct Warping Machine	TSC/Q 2101	4	1.82%	95255
25	Sizing Machine Operator	TSC/Q 2103	4	1.82%	95255
26	Size Mixer	TSC/Q 2102	4	8.76%	457226
27	Knotting Machine Operator	TSC/Q 2205	4	8.76%	457226
28	Fabric Checker	TSC/Q 2301	4	4.38%	228613
29	Fabric Mender	TSC/Q 2302	3	4.38%	228613
30	Oiler - Weaving Machine	TSC/Q 2406	3	2.92%	152409
31	Fitter – Weaving Preparatory	TSC/Q 2401	5	2.92%	152409
32	Pirn Winding Machine Operator	TSC/Q 2206	4	4.38%	228613
33	Shuttleless Loom Weaver - Rapier	TSC/Q 2203	4	2.92%	152409
34	Shuttleless Loom Weaver - Airjet	TSC/Q 2204	4	2.92%	152409
<ul style="list-style-type: none"> The Incremental Manpower Gap between 2008 and 2022 for Weaving Sector: 5220000 					

3. The Incremental Manpower Gap between 2008 and 2022 in Knitting

KNITTING		QP Code	NSQF Level	Workforce Percentage	The incremental Manpower Gap between 2008 and 2022
35	Knitting Machine Operator – Circular Knitting	TSC/Q 4101	4	25.56%	148267
36	Knitting Machine Operator – Flat Bed Knitting	TSC/Q 4102	4	25.56%	148267
37	Knitting Machine Operator – Warp Knitting	TSC/Q 4103	4	25.56%	148267
38	Knitting Machine Fitter	TSC/Q 4201	5	4.85%	28130
<ul style="list-style-type: none"> The Incremental Manpower Gap between 2008 and 2022 for Knitting Sector: 580000 					

4. The Incremental Manpower Gap between 2008 and 2022 in Processing

PROCESSING		QP Code	NSQF Level	Workforce Percentage	The incremental Manpower Gap between 2008 and 2022
39	Jigger Machine Operator	TSC/Q 5201	4	3.63%	41969
40	Folding Machine Operator	TSC/Q 5601	4	3.63%	37306
41	Stenter Operator	TSC/Q 5401	4	3.63%	27979
42	Singeing & Desizing machine operator	TSC/Q 5101	4	3.63%	9326
43	Printing Machine operator	TSC/Q 5204	4	3.63%	13990
44	Fitter - Processing	TSC/Q 5701	5	3.63%	13990
45	Continuous Range Operator	TSC/Q 5102	4	3.63%	12435
46	Soft Flow Dyeing Machine Operator	TSC/Q 5202	4	3.63%	9326
47	Package Dyeing Machine Operator	TSC/Q 5203	4	3.63%	9326
48	Washing Range Operator	TSC/Q 5301	4	3.63%	9326
49	Drying Range Machine Operator	TSC/Q 5302	4	3.63%	9326
50	Calendaring Machine Operator	TSC/Q 5402	4	1.81%	4663
51	Finishing Machine Operator (Zero-Zero/Compacting)	TSC/Q 5403	4	1.55%	4663
52	Dyestuff & Chemical Preparation Operator	TSC/Q 5205	4	4.15%	9326
53	Screen Preparatory Operator	TSC/Q 5206	4	1.81%	4663
54	Balloon Squeezer Machine Operator	TSC/Q 5501	4	1.55%	4663
55	Relax Dryer Operator	TSC/Q 5502	4	3.63%	9326
56	Compactor Operator	TSC/Q 5503	4	3.63%	9326
<ul style="list-style-type: none"> The Incremental Manpower Gap between 2008 and 2022 for Processing Sector: 300000 					